

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Larsson, et al.

S.No.	ART UNIT: 2124
FILED: MARCH 16, 2000	EXAMINER: TAN V. MAI
TITLE: HIGH-SPEED/LOW POWER FINITE IMPULSE RESPONSE FILTER	DOCKET NO: LARSSON 22-17-DIV

Preliminary Amendment to the Divisional Application

ASSISTANT COMMISSIONER FOR PATENTS
Alexandria VA,

Sir,

Please amend the application as follows.

IN THE SPECIFICATION

After the Title and before the Section entitled "BACKGROUND OF THE INVENTION," please insert the following.

--CROSS-REFERENCE TO RELATED APPLICATIONS

This is a divisional application of the currently pending U.S. Patent application Ser. No. 09/526,836 filed March 16, 2000.--

On page 6, at line 8, please change "flip-flips" to --flip-flops--.

IN THE ABSTRACT

Please strike the section entitled Abstract and insert the following in its stead. A replacement page of the Abstract is attached.

A partial carry-save format is employed for a finite impulse response filter output representation, thereby reducing a number of flip-flops and hence power. By replacing the least significant bit processing section on the output side of the finite impulse response filter with a combined carry-save adder and carry-propagate adder followed by a